

186899



PCS#: 1305

DCN#: START-02-R-00247

- Joseph R.

4/29/40

Name

Thomas Chelton

4/30/96

WAB w/ correction

4/30/90

Date

TDD Acceptance Report

START CONTRACT # 68-W5-0019

TDD NUMBER: 02-96-06-0021

Site/Project Name: Cornell-Dubiller Activity Type: IV.D Technical Support Activities Task: Analytical Services - REM & SA - Non-RAS General Task Description: Analytical		DPO/PO: Lisa Guameiri Created On: 06/28/96 Priority: High Staffing: Subpool (i.e. Analytical Services)
Specific Element(s) Estimated Cost : \$19,055.00 Estimated Hours: 0 Dedicated: 0 Non-Dedicated: 0		Estimated Completion Date: 07/27/96

Acceptance Comments:

<input checked="checked" type="radio"/> Accepted <input type="radio"/> Rejected	by:
--	-----

Contractor Signature:

Owen B. Douglass Jr. Ph.D., CIH
28 JUN 96
Owen Douglass

06/28/96
Signed On:

START assigned: ^(c10) - Pm. Sumbaly
Qc. Soroka

SAMPLING TRIP REPORT

SITE NAME:

Cornell Dubilier Electronics
South Plainfield, New Jersey

DCN #: START-02-F-00247

TDD #: 02-96-04-0003

PCS #: 1305

SAMPLING DATE:

April 23, 1996

1. Site Location:

333 Hamilton Avenue
South Plainfield, New Jersey

2. Sample Locations:

Refer to Table 1

**3. Sample Designations and Locations:
Polychlorinatedbiphenyls:
Elements:**

Refer to Table 2

Refer to Table 3

4. Laboratory Receiving Samples:

Ecology and Environment Laboratories
4493 Walden Avenue
Lancaster, New York 14086

5. Sample Dispatch Data:

The following samples were shipped by Region II START personnel via Federal Express to Ecology and Environment Laboratories, Inc. on April 23, 1996 at approximately 1900 hours for analyses for Polychlorinatedbiphenyls (PCBs) using NIOSH Method 5503, or for lead, silver, cadmium, and arsenic using NIOSH method 7300 (Elements).

6. On-site Personnel:**Name****Affiliation****Duties On Site**

Joseph Price

Region II START

Project Manager, sampler

Randy Kommsi

Region II START

QA/QC, sampler

Robert Montgomery

Region II EPA

On-Scene Coordinator

7. Weather Conditions:

Clear skies, with a temperature ranging from an approximate 65-70°F. Winds were calm and ranged from 5 to 15 mph. Low humidity.

8. Additional Comments:

As directed in NIOSH method 7300 (Elements), samples analyzed for silver, cadmium, lead, and arsenic were collected using a 37 mm diameter, 8 micron (8 μ m) mixed cellulose ester filter (MCEF). Sample collection was performed at a calibrated flow rate of 3 liters/minute (L/m) for a sample period of 300 minutes which provided each sample with a calculated sample volume of 900 liters of air.

As directed in NIOSH method 5503 (Polychlorinatedbiphenyls), samples were collected for PCB analysis using a 13 mm glass fiber filter cassette in line with a 150 mg florasil sorbent tube. Sample collection was performed at a calibrated flow rate of 0.1 liters/minute (L/m) for a sample period of 300 minutes which provided each sample with a calculated sample volume of 30 liters of air.

Air sampling for PCBs and Elements was conducted in a side by side manner with both media positioned for collection along the fence perimeter of the Mr. Pepe's Driving school. An upwind or background sample was collected approximately 80 feet north of the property fenceline.

No problems were experienced during the sampling event. No deviations from the NIOSH methods referenced were performed.

Verbal analytical results are expected to be available within 3 business days following sample delivery and will be provided to the EPA On Scene Coordinator on Monday 29 April 1996. Preliminary draft results are attached in Appendix C of this report.

Locations were chosen on the basis of collecting 2 cross wind samples, 1 downwind sample, and 1 upwind sample from the site.

Table 1 illustrates the locations of the sample locations for both PCBs and elements.

TABLE 1**SAMPLING LOCATIONS**

SAMPLING STATION	LOCATION	COMMENT
Station 1	Western Fenceline Perimeter	Cross Wind Sample
Station 2	Southern Fenceline Perimeter	Downwind Sample
Station 3	Eastern Fenceline Perimeter	Cross Wind Sample
Station 4	Background	80' Across From Fenceline Perimeter

TABLE 2.**SAMPLE DESIGNATIONS AND LOCATIONS, POLYCHLORINATEDBIPHENYLS**

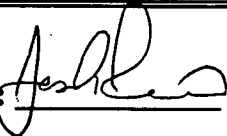
Sample Number	Location
STN1-PCB	Station 1
STN2-PCB	Station 2
STN3-PCB	Station 3
STN4-PCB	Station 4
LB-PCB (A,B,C)	3 Lot Blanks
Blind PCB (A,B,C)	3 Blind Spike Blanks
ANAL-PCB (A,B,C)	3 Analytical Spike Blanks
DE-PCB (A-O)	15 Laboratory Desorbtiion Efficiency Blanks

TABLE 3.
SAMPLE DESIGNATIONS AND LOCATIONS, ELEMENTS

Sample Number	Location
STN1-Pb	Station 1
STN2-Pb	Station 2
STN3-Pb	Station 3
STN4-Pb	Station 4
MCEF-SA	MCEF Lot spike blank - A
MCEF-SB	MCEF Lot spike blank - B
MCEF-LA	MCEF Lot blank - A
MCEF-LB	MCEF Lot blank - B
MCEF-FA	MCEF Field blank A
MCEF-FB	MCEF Field blank B

9.

Report prepared by:

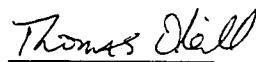


Date:

4/30/96

10.

Report approved by:



Date:

4/30/96

APPENDIX A
CHAIN OF CUSTODY RECORDS

ENVIRONMENTAL PROTECTION AGENCY - REGION II
Environmental Services Division
EDISON, NEW JERSEY 08817

ENVIRONMENTAL PROTECTION AGENCY - REGION II
Environmental Services Division
EDISON, NEW JERSEY 08817

[illegible]

CHAIN OF CUSTODY RECORD

ENVIRONMENTAL PROTECTION AGENCY - REGION II

Environmental Services Division

EDISON, NEW JERSEY 08817

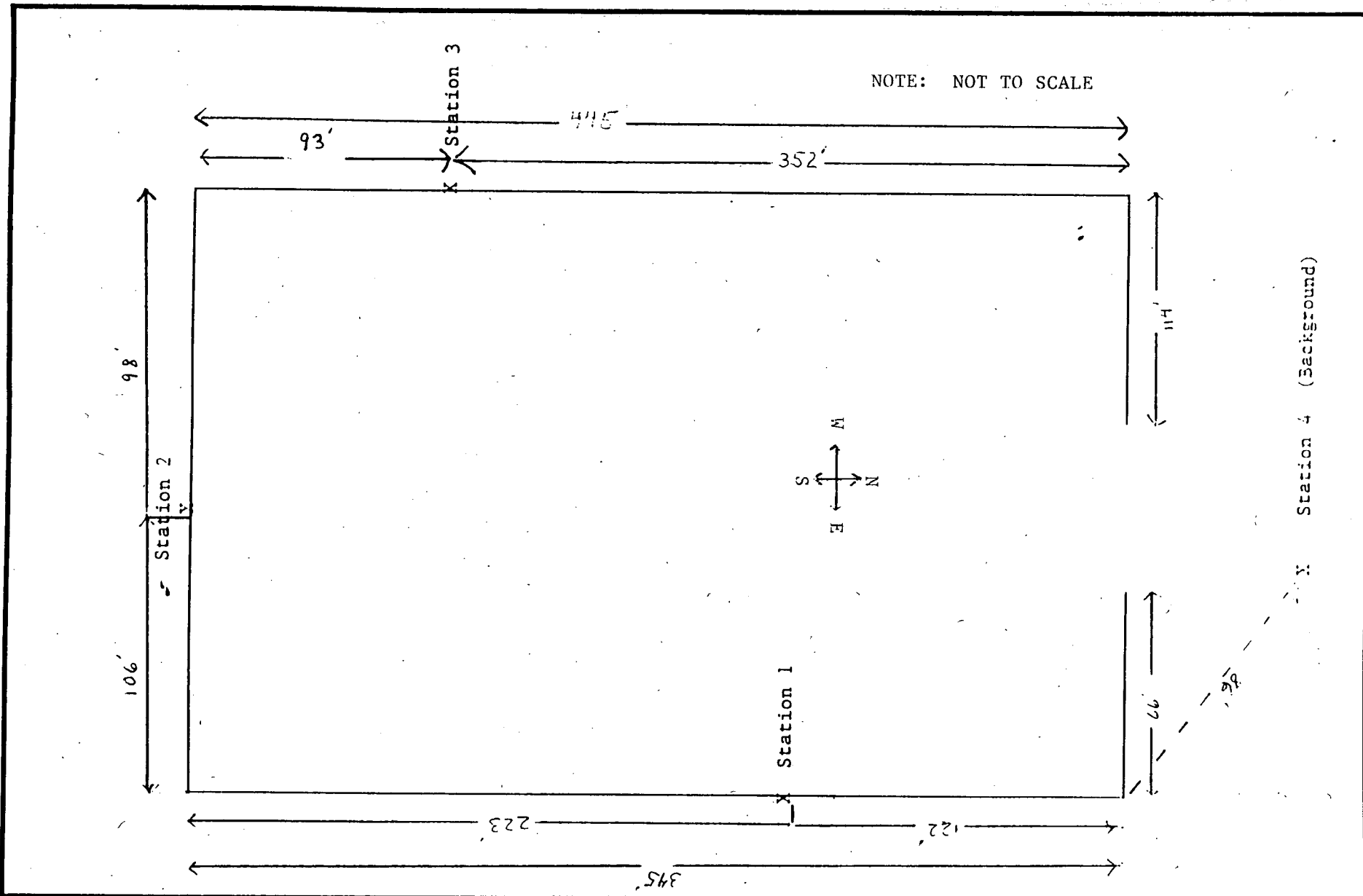
Name of Unit and Address: **ROYAL WESTINGHOUSE** REF: **REF # 101**
1000 RIVER ST. PATTERSON, NJ 07651
TEL: (908) 225-6116

Sample Number	Number of Containers	Description of Samples
AVE-5A	1	WASH 100 LOT 5000 A
AVE-5B	1	WASH 100 LOT 5000 B
AVE-5C	1	WASH 100 LOT 5000 C
AVE-5D	1	WASH 100 LOT 5000 D
AVE-5E	1	WASH 100 LOT 5000 E
AVE-5F	1	WASH 100 LOT 5000 F
AVE-5G	1	WASH 100 LOT 5000 G
AVE-5H	1	WASH 100 LOT 5000 H
AVE-5I	1	WASH 100 LOT 5000 I
AVE-5J	1	WASH 100 LOT 5000 J
AVE-5K	1	WASH 100 LOT 5000 K
AVE-5L	1	WASH 100 LOT 5000 L
AVE-5M	1	WASH 100 LOT 5000 M
AVE-5N	1	WASH 100 LOT 5000 N
AVE-5O	1	WASH 100 LOT 5000 O
AVE-5P	1	WASH 100 LOT 5000 P
AVE-5Q	1	WASH 100 LOT 5000 Q
AVE-5R	1	WASH 100 LOT 5000 R
AVE-5S	1	WASH 100 LOT 5000 S
AVE-5T	1	WASH 100 LOT 5000 T
AVE-5U	1	WASH 100 LOT 5000 U
AVE-5V	1	WASH 100 LOT 5000 V
AVE-5W	1	WASH 100 LOT 5000 W
AVE-5X	1	WASH 100 LOT 5000 X
AVE-5Y	1	WASH 100 LOT 5000 Y
AVE-5Z	1	WASH 100 LOT 5000 Z

Person Assuming Responsibility for Sample: **A. L. L.** Time: **3:30** Date: **11/2/76**

Sample Number	Relinquished By:	Received By:	Time	Date	Reason for Change of Custody
ALL	A. L. L.				

APPENDIX B
SAMPLE LOCATION MAP



Roy F. Weston, Inc.
FEDERAL PROGRAMS DIVISION

IN ASSOCIATION WITH RESOURCE APPLICATION, Inc.
 C.C. JOHNSON & MALHOTRA, P.C., R.E. SARRIERA ASSOCIATES,
 PRC ENVIRONMENTAL MANAGEMENT, AND GRB ENVIRONMENTAL SERVICES, INC.

EPA PM

N. Magriples

START PM

J. Price

Sample Location Map

Cornell Dubilier Site

APPENDIX C
PRELIMINARY DRAFT RESULTS



ecology and environment, inc.

International Specialists in the Environment

ANALYTICAL SERVICES CENTER

4483 Walden Avenue • Lancaster, New York 14086
Telephone: 716/688-8080 • Fax: 716/688-0852

*Our pledge is to provide the highest quality analytical results
in a timely, efficient, and economical manner.*

TELECOPIER TRANSMISSION FORM

Date:

4/29/96

Time:

4:20 pm

Project Number:

Total Number of Pages

(Including Transmission Form):

14

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Smita Sumbaly

Company:

Ray F. Weston

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Tony Bogolin B3B

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- Gas Chromatography/Mass Spectrometry
- High Performance Liquid Chromatography

- Ion Chromatography, Fourier Transform Infra-red
- Ultraviolet/Visible Spectroscopy
- Air (Canisters, Bags, Tenax®, Charcoal)
- Chlorophenols, AOX
- Immunotoxicity

- Nitroaromatics (Explosives): Chemical Agents
- NPDES/SPDES
- Soil Gas Screening (Field or Laboratory)
- TCLP
- TPH - BMTX



Environmental Science & Technology

Analytical Services...

dated 04/26/96

Ecology and Environment, Inc., Analytical Services Center, P.O. Box D, Buffalo, NY 14225, (716) 631-0360

DRAFT RESULTS *

Results of AIR Analysis for Polychlorinated Biphenyls Method NIOSH 5503

TEST CODE: APCB

ALL LESS THAN QUANTITATION LIMIT, UNLESS NOTED

ng/Tube

JOB: 9600.789

(all results in $\mu\text{g}/\text{m}^3$)

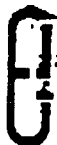
4/29

Compound	Quant. Limit	E&E Lab. No. 92-Sample Identity	Date of Analysis	43062	43065	43064	43065	43066
				Blind-PCB-A	Blind-PCB-B	Blind-PCB-C	LB-RBA	LB-PCB-B
				4/26/96	4/26/96	4/26/96	4/26/96	4/26/96
PCB-1254	4.1			ND	ND	ND	ND	ND
PCB-1221								
PCB-1232								
PCB-1248								
PCB-1260								
PCB-1016								

P = Present below quantitation limit
X = Exceeds calibration limit

ND = Not detected

* THESE RESULTS ARE BELIEVED TO BE ACCURATE. THEY HAVE NOT UNDERGONE FINAL REVIEW.
USE CAUTION WHEN USING THIS DATA.



TRANSMITTED TO THE CLIENT

Analytical Services...

(added definition)

Ecology and Environment, Inc., Analytical Services Center, P.O. Box D, Buffalo, NY 14226, (716) 631-0360

DRAFT RESULTS *

Results of ATR Analysis for Polychlorinated Biphenyls Method NIE5H 5505

TEST CODE: APCB

ALL LESS THAN QUANTITATION LIMIT UNLESS NOTED

mg/Tube

JOB: 5600.785

 (all results in $\mu\text{g}/\text{m}^3$)

		E&E Lab. No. 92-	43067				
Compound		Sample Identity	LB-PCB-C				
	Quant. Limit	Date of Analysis	4/26/96				
PCB-1242	0.10		ND				
PCB-1254							
PCB-1221							
PCB-1232							
PCB-1248							
PCB-1260							
PCB-1016							

B - Does not meet quantitation limit

X - Exceeds calibration limit

ND = not detected.

 * THESE RESULTS ARE BELIEVED TO BE ACCURATE. THEY HAVE NOT UNDERGONE FINAL REVIEW.
USE CAUTION WHEN USING THIS DATA.



INTERNATIONAL PAPER COMPANY

Analytical Services...

REVISED PAGE

Ecology and Environment, Inc., Analytical Services Center, P.O. Box D, Buffalo, NY 14225. (716) 631-0360

DRAFT RESULTS *

Results of AIR Analysis for Polychlorinated Biphenyls Method NIOSH 5503

TEST CODE: APCB

ALL LESS THAN QUANTITATION LIMIT, UNLESS NOTED

JOB: 9600.789

 (all results in ug/m³)

		E&E Lab. No. 92- Sample	43067	43069	43070	43071	
PCB-1242	3.33		ND	ND	ND	ND	
PCB-1254							
PCB-1221							
PCB-1232							
PCB-1248							

 P = Present below quantitation limit
 X = Exceeds calibration limit

ND = Not Detected

 * THESE RESULTS ARE BELIEVED TO BE ACCURATE
 USE CAUTION WHEN USING THIS DATA.

MUST HAVE BEEN UNDERGONE FINAL REVIEW.

boilerplate GC.12

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1
INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

Lab Name: ECOLOGY_AND_ENVIRONMENT Contract: _____

43049

Lab Code: EANDE Case No.: 9600 789 SAS No.: _____ SDC No.: 43049

Matrix (soil/water): AIR FILTER

Lab Sample ID: 43049

Level (low/med): LOW

Date Received: 04/24/96

% Solids: 100.0

Concentration Units (ug/L or mg/kg dry weight): UG/FILTER

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum				NR
7440-36-0	Antimony				NR
7440-38-2	Arsenic	20.4			P
7440-39-3	Barium				NR
7440-41-7	Beryllium				NR
7440 43-0	Cadmium	0.56			P
7440-70-2	Calcium				NR
7440-47-3	Chromium				NR
7440-48-4	Cobalt				NR
7440-50-8	Copper				NR
7439-89-6	Iron				NR
7439-92-1	Lead	5.5			P
7439-95-4	Magnesium				NR
7439-96-5	Manganese				NR
7439-97-6	Mercury				NR
7440-02-0	Nickel				NR
7440-09-7	Potassium				NR
7782-49-2	Selenium				NR
7440 22 4	Silver	0.065	B		P
7440-23-5	Sodium				NR
7440-28-0	Thallium				NR
7440-62-2	Vanadium				NR
7440-66-6	Zinc				NR
	Cyanide				NR

Color Before: _____

Clarity Before: _____

Texture: _____

Color After: CL _____

Clarity After: C _____

Artifacts: _____

Comments:

CLIENT_SAMPLE_ID: MCEF-GA

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1
INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

Lab Name: ECOLOGY AND ENVIRONMENT Contract: _____

43050

Lab Code: EANDE Case No.: 9600.789 SAS No.: _____ SDG No.: 43049_

Matrix (soil/water): AIR FILTER Lab Sample ID: 43050

Level (low/med): LOW Date Received: 04/24/96

% Solids: 100.0

Concentration Units (ug/L or mg/kg dry weight): UC/FILTER

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	_____	_____	_____	NR
7440-36-0	Antimony	_____	_____	_____	NR
7440-38-2	Arsenic	20.1	_____	_____	P
7440-39-3	Barium	_____	_____	_____	NR
7440-41-7	Beryllium	_____	_____	_____	NR
7440-43-9	Cadmium	0.55	_____	_____	P
7440-70-2	Calcium	_____	_____	_____	NR
7440-47-3	Chromium	_____	_____	_____	NR
7440-48-4	Cobalt	_____	_____	_____	NR
7440-50-8	Copper	_____	_____	_____	NR
7439-89-6	Iron	_____	_____	_____	NR
7439-92-1	Lead	5.5	_____	_____	P
7439-95-4	Magnesium	_____	_____	_____	NR
7439-96-5	Manganese	_____	_____	_____	NR
7439-97-6	Mercury	_____	_____	_____	NR
7440-02-0	Nickel	_____	_____	_____	NR
7440-09-7	Potassium	_____	_____	_____	NR
7702-49-2	Selenium	_____	_____	_____	NR
7440-22-4	Silver	0.071	B	_____	P
7440-23-5	Sodium	_____	_____	_____	NR
7440-28-0	Thallium	_____	_____	_____	NR
7440-62-2	Vanadium	_____	_____	_____	NR
7440-66-6	Zinc	_____	_____	_____	NR
_____	Cyanide	_____	_____	_____	NR

Color Before: _____ Clarity Before: _____ Texture: _____

Color After: CL _____ Clarity After: C _____ Artifacts: _____

Comments:

CLIENT_SAMPLE_ID: MCEF-SB

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MCL 75425a 0101

13071

Lab Code: EANDE_ Case No.: 9600.789 SAS No.: _____ SDG No.: 43049_

Matrix (soil/water): AIR FILTER

Lab Sample ID: 43051

Level (low/med): LOW_

Date Received: 04/24/96

% Solids: 100.0

Concentration Units (ug/L or mg/kg dry weight): UG/FILTER

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum				NR
7440-36-0	Antimony				NR
7440-38-2	Arsenic	0.037	U		P
7440-39-3	Barium				NR
7440-41-7	Beryllium				NR
7440-43-9	Cadmium	0.0070	U		P
7440-70-2	Calcium				NR
7440-47-3	Chromium				NR
7440-48-4	Cobalt				NR
7440-50-0	Copper				NR
7439-89-6	Iron				NR
7439-92-1	Lead	1.4			P
7439-95-4	Magnesium				NR
7439-96-5	Manganese				NR
7439-97-6	Mercury				NR
7440-02-0	Nickel				NR
7440-09-7	Potassium				NR
7782-49-2	Selenium				NR
7440-22-4	Silver	0.0094	B		P
7440-23-5	Sodium				NR
7440-28-0	Thallium				NR
7440-62-2	Vanadium				NR
7440 66-6	Zinc				NR
	Cyanide				NR

Color Before: _____

Clarity Before: _____

Texture: _____

Color After: CL_

Clarity After: C_

Artifacts: _____

Comments:

CLIENT_SAMPLE_ID: MCEF-LA

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1
INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

Lab Name: ECOLOGY_AND_ENVIRONMENT Contract: _____

43052

Lab Code: EANDE Case No.: 9600.789 SAS No.: _____ SDG No.: 43049_

Matrix (soil/water): AIR FILTER

Lab Sample ID: 43052

Level (low/med): LOW

Date Received: 04/24/96

% Solids: 100.0

Concentration Units (ug/L or mg/kg dry weight): UG/FILTER

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum		-	-	NR
7440-36-0	Antimony		-	-	NR
7440-38-2	Arsenic	0.037	U		P
7440-39-3	Barium		-	-	NR
7440-41-7	Beryllium		-	-	NR
7440-43-9	Cadmium	0.0070	U		P
7440-70-2	Calcium		-	-	NR
7440-47-3	Chromium		-	-	NR
7440-48-4	Cobalt		-	-	NR
7440-50-8	Copper		-	-	NR
7439-89-6	Iron		-	-	NR
7439-92-1	Lead	0.78	-	-	P
7439-95-4	Magnesium		-	-	NR
7439-96-5	Manganese		-	-	NR
7439-97-6	Mercury		-	-	NR
7440-02-0	Nickel		-	-	NR
7440-09-7	Potassium		-	-	NR
7782-49-2	Selenium		-	-	NR
7440-22-4	Silver	0.0060	U		P
7440-23-5	Sodium		-	-	NR
7440-28-0	Thallium		-	-	NR
7440-62-2	Vanadium		-	-	NR
7440-66-6	Zinc		-	-	NR
	Cyanide		-	-	NR

Color Before: _____

Clarity Before: _____

Texture: _____

Color After: CL _____

Clarity After: C _____

Artifacts: _____

Comments: _____

CLIENT_SAMPLE_ID: MCEF-LB

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INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

Lab Name: ECOLOGY_AND_ENVIRONMENT Contract: _____

43053

Lab Code: EANDE Case No.: 9600.789 SAS No.: _____ SDG No.: 43049

Matrix (soil/water): AIR FILTER

Lab Sample ID: 43053

Level (low/med): LOW

Date Received: 04/24/96

% Solids: 100.0

Concentration Units (ug/L or mg/kg dry weight): UG/FILTER

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum		-		NR
7440-36-0	Antimony		-		NR
7440-38-2	Arsenic	0.037	U		P
7440-39-3	Barium		-		NR
7440-41-7	Beryllium		-		NR
7440-43-9	Cadmium	0.0076	U		P
7440-70-2	Calcium		-		NR
7440-47-3	Chromium		-		NR
7440-48-4	Cobalt		-		NR
7440-50-8	Copper		-		NR
7439-89-6	Iron		-		NR
7439-92-1	Lead	0.61	-		P
7439-95-4	Magnesium		-		NR
7439-96-5	Manganese		-		NR
7439-97-6	Mercury		-		NR
7440-02-0	Nickel		-		NR
7440-09-7	Potassium		-		NR
7782-49-2	Selenium		-		NR
7440-22-4	Silver	0.0060	U		P
7440-23-5	Sodium		-		NR
7440-28-0	Thallium		-		NR
7440-62-2	Vanadium		-		NR
7440-66-6	Zinc		-		NR
	Cyanide		-		NR

Color Before: _____

Clarity Before: _____

Texture: _____

Color After: CL _____

Clarity After: C _____

Artifacts: _____

Comments:

CLIENT_SAMPLE_ID: MCEP-FA

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1
INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

Lab Name: ECOLOGY AND ENVIRONMENT Contract: _____

43054

Lab Code: EANDE Case No.: 9600.789 SAS No.: _____ SDG No.: 43049

Matrix (soil/water): AIR FILTER

Lab Sample ID: 43054

Level (low/mod): LOW

Date Received: 04/24/96

% Solids: 100.0

Concentration Units (ug/L or mg/kg dry weight): UG/FILTER

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum				NR
7440-36-0	Antimony				NR
7440-38-2	Arsenic	0.049	B		P
7440-39-3	Barium				NR
7440-41-7	Beryllium				NR
7440-43-9	Cadmium	0.0070	U		P
7440-70-2	Calcium				NR
7440-47-3	Chromium				NR
7440-48-4	Cobalt				NR
7440-50-8	Copper				NR
7439-89-6	Iron				NR
7439-92-1	Lead	0.24			P
7439-95-4	Magnesium				NR
7439-96-5	Manganese				NR
7429-97-8	Mercury				NR
7440-02-0	Nickel				NR
7440-09-7	Potassium				NR
7782-49-2	Selenium				NR
7440-22-4	Silver	0.0060	U		P
7440-23-5	Sodium				NR
7440-28-0	Thallium				NR
7440-62-2	Vanadium				NR
7440-66-6	Zinc				NR
	Cyanide				NR

Color Before: _____

Clarity Before: _____

Texture: _____

Color After: _____

Clarity After: _____

Texture: _____

Comments:

CLIENT SAMPLE ID: MCEF-FB

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ILM03.0

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1
INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

Lab Name: ECOLOGY AND ENVIRONMENT Contract: _____

43055

Lab Code: EANDE Case No.: 9600.789 SAS No.: _____ SDG No.: 43049

Matrix (soil/water): AIR FILTER

Lab Sample ID: 43055

Level (low/med): LOW

Date Received: 04/24/96

% Solids: 100.0

Concentration Units (ug/L or mg/kg dry weight): UG/FILTER

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum				NR
7440-36-0	Antimony				NR
7440-38-2	Arsenic	0.037	U		P
7440-39-3	Barium				NR
7440-41-7	Beryllium				NR
7440-43-9	Cadmium	0.024	E		P
7440-70-2	Calcium				NR
7440-47-3	Chromium				NR
7440-48-4	Cobalt				NR
7440-50-8	Copper				NR
7439-89-6	Iron				NR
7439-92-1	Lead	0.96			P
7439-95-4	Magnesium				NR
7439-96-5	Manganese				NR
7439-97-6	Mercury				NR
7440-02-0	Nickel				NR
7440-09-7	Potassium				NR
7782-49-2	Selenium				NR
7440-22-4	Silver	0.0060	U		P
7440-23-5	Sodium				NR
7440-28-0	Thallium				NR
7440-62-2	Vanadium				NR
7440-66-6	Zinc				NR
	Cyanide				NR

Color Before: _____

Clarity Before: _____

Texture: _____

Color After: CL _____

Clarity After: C _____

Artifacts: _____

Comments: _____

CLIENT SAMPLE ID: STN1-PB

FORM I - IN

ILM03.0

U.S. EPA - CLP

1
INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

Lab Name: ECOLOGY_AND_ENVIRONMENT Contract: _____

43056

Lab Code: EANDE Case No.: 9600.789 SAS No.: _____ SDG No.: 43049

Matrix (soil/water): AIR FILTER

Lab Sample ID: 43056

Level (low/med): LOW

Date Received: 04/24/96

% Solids: 100.0

Concentration Units (ug/L or mg/kg dry weight): UG/FILTER

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum				NR
7440-36-0	Antimony				NR
7440-38-2	Arsenic	0.037	U		P
7440-39-3	Barium				NR
7440-41-7	Beryllium				NR
7440-43-9	Cadmium	0.013	B		P
7440-70-2	Calcium				NR
7440-47-3	Chromium				NR
7440-48-4	Cobalt				NR
7440-50-8	Copper				NR
7439-89-6	Iron				NR
7439-92-1	Lead	3.9			P
7439-95-4	Magnesium				NR
7439-96-5	Manganese				NR
7439-97-6	Mercury				NR
7440-02-0	Nickel				NR
7440-09-7	Potassium				NR
7782-49-2	Selenium				NR
7440-22-4	Silver	0.022	B		P
7440-23-5	Sodium				NR
7440-28-0	Thallium				NR
7440-62-2	Vanadium				NR
7440-66-6	Zinc				NR
	Cyanide				NR

Color Before: _____

Clarity Before: _____

Texture: _____

Color After: CL _____

Clarity After: C _____

Artifacts: _____

Comments:

CLIENT_SAMPLE_ID: STN2-PB

U.S. EPA - CLP

1
INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

Lab Name: ECOLOGY AND ENVIRONMENT

Contract: _____

43057

Lab Code: EANDE

Case No.: 9600.789 SAS No.: _____

SDG No.: 43049

Matrix (soil/water): AIR FILTER

Lab Sample ID: 43057

Level (low/med): LOW

Date Received: 04/24/96

% Solids: 100.0

Concentration Units (ug/L or mg/kg dry weight): UG/FILTER

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum				NR
7440-36-0	Antimony				NR
7440-38-2	Arsenic	0.037	U		P
7440-39-3	Barium				NR
7440-41-7	Beryllium				NR
7440-43-9	Cadmium	0.0070	U		P
7440 70 2	Calcium				NR
7440-47-3	Chromium				NR
7440-48-4	Cobalt				NR
7440-50-8	Copper				NR
7439-89-6	Iron				NR
7439-92-1	Lead	2.2			P
7439-95-4	Magnesium				NR
7439-96-5	Manganese				NR
7439-97-6	Mercury				NR
7440-02-0	Nickel				NR
7440-09-7	Potassium				NR
7782-49-2	Selenium				NR
7440-22-4	Silver	0.0060	U		P
7440-23-5	Sodium				NR
7440-28-0	Thallium				NR
7440-62-2	Vanadium				NR
7440-66-6	Zinc				NR
	Cyanide				NR

Color Before: _____

Clarity Before: _____

Texture: _____

Color After: CL _____

Clarity After: C _____

Artifacts: _____

Comments: _____

CLIENT_SAMPLE_ID: STN3-PB

FORM I - IN

ILM03.0

U.S. EPA - CLP

1
INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

Lab Name: ECOLOGY AND ENVIRONMENT

Contract: _____

43058

Lab Code: EANDU

Case No.: 9600.789 SAS No.: _____

SDG No.: 43049

Matrix (soil/water): AIR FILTER

Lab Sample ID: 43058

Level (low/mod): LOW

Date Received: 04/24/96

% Solids: 100.0

Concentration Units (ug/L or mg/kg dry weight): UG/FILTER

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum				NR
7440-36-0	Antimony				NR
7440-38-2	Arsenic	0.037	U		P
7440-39-3	Barium				NR
7440-41-7	Beryllium				NR
7440-43-9	Cadmium	0.018	B		P
7440-70-2	Calcium				NR
7440-47-3	Chromium				NR
7440-48-4	Cobalt				NR
7440-50-8	Copper				NR
7439-89-6	Iron				NR
7439-92-1	Lead	8.0			P
7439-95-4	Magnesium				NR
7439-96-5	Manganese				NR
7439-97-6	Mercury				NR
7440-02-0	Nickel				NR
7440-00-0	Potassium				NR
7782-49-2	Selenium				NR
7440-22-4	Silver	0.0060	U		P
7440-23-5	Sodium				NR
7440-28-0	Thallium				NR
7440-62-2	Vanadium				NR
7440-66-6	Zinc				NR
	Cyanide				NR

Color Before: _____

Clarity Before: _____

Texture: _____

Color After: CL _____

Clarity After: C _____

Artifacts: _____

Comments:

CLIENT SAMPLE ID: STN1-PB

FORM I - IN

ILM03.0

REF No.:

1416

PO No.:

52-65625

CHAIN OF CUSTODY RECORD

The Laboratory should send verbal and written results to the attention of Smita Sumbaly, START Analytical Coordinator

Matrix Box No. 6:

1. Surface Water
2. Ground Water
3. Leachate
4. Rinseate
5. Soil/Sediment
6. Oil
7. Waste
8. Other (Specify)

Preservative Box No. 7:

1. HCl
2. HNO₃
3. Na₂SO₄
4. H₂SO₄
5. Other (Specify)
6. Ice Only
- N. Not Preserved

Name of Unit and Address:



Suite 201

1090 King Georges Post Road, Edison, New Jersey 08837-3703

Phone: 908-225-5116 Fax: 908-225-7037

Sample Number	Sample Collection MM/DD/YY/Time	Sample Matrix (Enter box 6 #)	Sample Conc. L/M/H	Sample Type C/G	Sample Preservative (Enter # from box 7)	EAS ANALYSIS					ECRA ANALYSIS				OTHER		
						VOA	BNA	PEST	PCB	TALCN	IGN	COR	REAC	TPH			
TP1A	7/16/96 950	5	M/H	G	6				X							Cd, Cr Pb, Hg Ag MS/MSD	
TP1B	7/16/96 1005	5	M/H	G	6				X								Cd Cr Pb Hg Ag
TP2A	7/16/96 1055	5	M/H	G	6				X								Cd, Cr Pb Hg Ag
TP2B	7/16/96 1105	5	M/H	G	6				X								Cd Cr Pb Hg Ag
TP6A	7/16/96 1215	5	M/H	G	6				X								Cd Cr Pb Hg Ag
TP6B	7/16/96 1230	5	M/H	G	6				X								Cd Cr Pb Hg Ag
TP8A	7/16/96 1215	5	M/H	G	6				X								Cd Cr Pb Hg Ag
2103	7/16/96 ¹³¹⁰ 440	4	L	G	6				X								Cd Cr Pb Hg Ag
2103	7/16/96 ¹³¹⁰ 440	4	L	G	2,6				X								Cd Cr Pb Hg Ag
S23	7/16/96 1410	5	M/H	G	6				X								Cd Cr Pb Hg Ag
SS23	7/16/96 1420	5	M/H	G	6				X								Cd Cr Pb Hg Ag
S24	7/16/96 1400	5	M/H	G	6				X								Cd Cr Pb Hg Ag
SS24	7/16/96 1415	5	M/H	G	6				X								Cd Cr Pb Hg Ag

Assuming Responsibility for Sample:

Person Assuming Responsibility for Sample:

Jennifer Leaky

Time

Date (MM/DD/YY)

1730

7/16/96

Sample Number

Relinquished By:

All

Jennifer Leaky

Time

Date

Received By:

830

000/00/00

7/17/96

Suzanne S. Jella

Reason for Change of Custody

Delivery to Lab

Sample Number

Relinquished By:

All

Suzanne S. Jella

Time

Date

Received By:

1015

000/00/00

7/17/96

Paul Jella

Reason for Change of Custody

Sample Number

Relinquished By:

Time

Date

Received By:

000/00/00

Reason for Change of Custody

Roy F. Weston, Inc.

FEDERAL PROGRAMS DIVISION

In Association with Resource Applications, Inc., P.E. Services Associates, PRC

@ verbally instructed Laboratory, J. Jella 7/17/96

RFP No.:

1416

PO No.:

52-65625

CHAIN OF CUSTODY RECORD

2012

The Laboratory should send verbal and written results to the attention of Smita Sumbaly, START Analytical Coordinator

Matrix Box No. 6:

1. Surface Water
2. Ground Water
3. Leachate
4. Rinseate
5. Soil/Sediment
6. Oil
7. Waste
8. Other (Specify)

Preservative Box No. 7:

1. HCl
2. HN03
3. Na2SO4
4. H2SO4
5. Other (Specify)
6. Ice Only
- N. Not Preserved

Name of Unit and Address:

WESTON
MANAGERS DESIGNERS/CONSULTANTS

Suite 201

1090 King Georges Post Road, Edison, New Jersey 08837-3703

Phone: 908-225-6116 Fax: 908-225-7037

Sample Number

Sample Collection
MM/DD/YY/Time

Sample

Sample

Sample

Sample

EAS ANALYSES

ECRA ANALYSES

Matrix

Conc.

Type

Preservative

VOA

BNA

PEST

PCB

TAL

CY

KCN

COR

REAC

TPH

OTHER

Other

L/M/H

C/G

Other

box 6

from box 7

S25

7/16/96 161338

5

M/H

G

6

X

TP5A

7/16/96 1450

5

M/H

G

6

X

Cd Cr Pb Hg Ag

TP5B

7/16/96 1500

5

M/H

G

6

X

Cd Cr Pb Hg Ag

TP3A

7/16/96 1545

5

M/H

G

6

X

Cd Cr Pb Hg Ag

TP3B

7/16/96 1600

5

M/H

G

6

X

Cd Cr Pb Hg Ag

TP4A

7/16/96 1650

5

M/H

G

6

X

Cd Cr Pb Hg Ag

S29

7/16/96 1715

5

M/H

G

6

X

Cd Cr Pb Hg Ag

Cd Cr Pb Hg Ag

Sample Number

Relinquished By:

Time

Date

Received By:

Time

Date (MM/DD/YY)

All

Jennifer Healy

830

06/06/96

Suzanne S. Kella

1730

7/16/96

Reason for Change of Custody

Delivery to Lab.

Sample Number

Relinquished By:

Time

Date

Received By:

Time

Date (MM/DD/YY)

ALL

Suzanne S. Kella

015

9/17/96

Paul

Reason for Change of Custody

Sample Number

Relinquished By:

Time

Date

Received By:

Time

Date (MM/DD/YY)

Reason for Change of Custody

RFP No.:

1416

PO No.:

65625

CHAIN OF CUSTODY RECORD

The Laboratory should send verbal and written results to the attention of Smits Sumbaly, START Analytical Coordinator

Matrix Box No. 6:

1. Surface Water
2. Ground Water
3. Leachate
4. Rinseate
5. Soil/Sediment
6. Oil
7. Waste
8. Other (Specify)

Preservative Box No. 7:

1. HCl
2. HN03
3. Na2SO4
4. H2SO4
5. Other (Specify)
6. Ice Only
- N. Not Preserved

Name of Unit and Address:

WESTON
MANAGERS DESIGNERS/CONSULTANTS

Suite 201

1090 King Georges Post Road, Edison, New Jersey 08837-3703

Phone: 908-225-6116 Fax: 908-225-7037

Sample Number	Sample Collection MM/DD/YY/Time	Sample Matrix (Enter #) box 6 #	Sample Conc. L/M/H	Sample Type C/G	Sample Preservat'n (Enter #) from box 7	EAS ANALYSIS					ECHA ANALYSIS				OTHER
						VOA	BNA	PEST	PCBs	TALCN	IGN	COR	REAC	TPH	
S1	6/27/96 950	5	4/m	6	6				X	X					Cd, CR, Pb, Hg Ag ms/ms
SS1	6/27/96 1000	5	4/m	6	6				X	X					Cd, CR, Pb, Hg Ag ms/ms
S2	6/27/96 1010	5	4/m	6	6				X	X					Cd, CR, Pb, Hg Ag
SS2	6/27/96 1020	5	4/m	6	6				X	X					Cd, CR, Pb, Hg Ag
S3	6/27/96 1030	5	4/m	6	6				X	X					Cd, CR, Pb, Hg Ag
SS3	6/27/96 1040	5	4/m	6	6				X	X					Cd, CR, Pb, Hg Ag
S4	6/27/96 1045	5	4/m	6	6				X	X					Cd, CR, Pb, Hg Ag
SS4	6/27/96 1055	5	4/m	6	6				X	X					Cd, CR, Pb, Hg Ag
CDE R/W 1	6/27/96 1145	4	L	G	6				X						TCL-PCB Cd, CR, Pb, Hg Ag
CDE R/W 1	6/27/96 1145	4	L	C	26					X					Cd, CR, Pb, Hg Ag
S5	6/27/96 1335	5	4/m	6	6				X	X					Cd, CR, Pb, Hg Ag
SS5	6/27/96 1340	5	4/m	6	6				X	X					Cd, CR, Pb, Hg Ag
S6	6/27/96 1350	5	4/m	6	6				X	X					Cd, CR, Pb, Hg Ag

Person Assuming Responsibility for Sample:

Time

Date (MM/DD/YY)

1700

6/27/96

Sample Number

Relinquished By:

Time

Date

Received By:

Reason for Change of Custody

All

Jennifer Leahy

1700

6/27/96

Swamy S. Ketha

Deliver to Lab

Sample Number

Relinquished By:

Time

Date

Received By:

Reason for Change of Custody

ALL

Swamy S. Ketha

1050

6/28/96

Devine G. Keller

RECEIPT AT LAB

Sample Number

Relinquished By:

Time

Date

Received By:

Reason for Change of Custody

Roy F. Weston, Inc.

FEDERAL PROGRAMS DIVISION

In Association with Resource Applications, Inc., R.E. Sarrien Associates, PRC Environmental Management.

RFP No.:

1416

PO No.:

65625

CHAIN OF CUSTODY RECORD

2 of 3

The Laboratory should send verbal and written results to
the attention of Smits Sumbaly, START Analytical Coordinator

Matrix Box No. 6:

1. Surface Water
2. Ground Water
3. Leachate
4. Rinseate
5. Soil/Sediment
6. Oil
7. Waste
8. Other (Specify)

Preservative Box No. 7:

1. HCl
2. HN03
3. Na2SO4
4. H2SO4
5. Other (Specify)
6. Ice Only
- N. Not Preserved

Name of Unit and Address:

WESTON
MANAGERS DESIGNERS/CONSULTANTS

Suite 201

1090 King Georges Post Road, Edison, New Jersey 08837-3703

Phone: 908-225-6116 Fax: 908-225-7037

Sample Number	Sample Collection MM/DD/YY/Time	Sample Matrix (Enter # box 6 #)	Sample Conc. L/M/H	Sample Type C/O	Sample Preservat'n (Enter # from box 7)	EAS ANALYSIS					ICAA ANALYSIS				OTHER	
						VOA	ENA	PEST	PCBs	TALCN	IGN	COR	REAC	TPH		
SSC6	6/27/96 1400	5	4m	6	6				X	X						Cd, CR, Pb, Hg Ag
S2L6	6/27/96 1350	5	4m	6	6				X	X						Cd, CR, Pb, Hg Ag
SS2L6	6/27/96 1400	5	4m	6	6				X	X						Cd, CR, Pb, Hg Ag
S7	6/27/96 1415	5	4m	6	6				X	X						Cd, CR, Pb, Hg Ag
SS7	6/27/96 1425	5	4m	6	6				X	X						Cd, CR, Pb, Hg Ag
SED 4	6/27/96 1520	5	4m	6	6				X	X						Cd, CR, Pb, Hg Ag
S8	6/27/96 1525	5	4m	6	6				X	X						Cd, CR, Pb, Hg Ag
SS8	6/27/96 1530	5	4m	6	6				X	X						Cd, CR, Pb, Hg Ag
S9	6/27/96 1535	5	4m	6	6				X	X						Cd, CR, Pb, Hg Ag
SS9	6/27/96 1540	5	4m	6	6				X	X						Cd, CR, Pb, Hg Ag
S10	6/27/96 1545	5	4m	6	6				X	X						Cd, CR, Pb, Hg Ag
SS10	6/27/96 1550	5	4m	6	6				X	X						Cd, CR, Pb, Hg Ag
S11	6/27/96 1600	5	4m	6	6				X	X						Cd, CR, Pb, Hg Ag

Person Assuming Responsibility for Sample:

Sample Number	Relinquished By:	Time	Date	Received By:	Reason for Change of Custody
All	Jennifer Leach	1730	6/27/96	Swamy S. Jetha	Deliver to Lab.
All	Swamy S. Jetha	1050	6/28/96	Deanne G. Kille	RECEIPT AT LAB

Roy F. Weston, Inc.

FEDERAL PROGRAMS DIVISION

In Association with Resource Applications, Inc., R.E. Sarmiento Associates, PRC Environmental Management.

RFP No.:
1416
PO No.:
65625

CHAIN OF CUSTODY RECORD

The Laboratory should send verbal and written results to the attention of Smits Sumbaly, START Analytical Coordinator

Matrix Box No. 6:	Preservative Box No. 7:
1. Surface Water	1. HCl
2. Ground Water	2. HNO3
3. Leachate	3. Na2SO4
4. Rinse	4. H2SO4
5. Soil/Sediment	5. Other (Specify)
6. Oil	6. Ice Only
7. Waste	N. Not Preserved
8. Other (Specify)	

Name of Unit and Address: **WESTON** Suite 201
MANAGERS DESIGNERS/CONSULTANTS 1090 King Georges Post Road, Edison, New Jersey 08837-3703
Phone: 908-225-6116 Fax: 908-225-7037

Sample Number	Sample Collection MM/DD/YY/Time	Sample Matrix (Enter box 6 #)	Sample Conc. L/M/H	Sample Type C/G	Sample Preservat'n (Enter # from box 7)	RAS ANALYSIS					RCRA ANALYSIS				OTHER
						VOA	BNA	PEST	PCBs	TALCN	IGN	COR	REAC	TPH	
SS11	6/27/96 1600	5	L/M	G	6				X	X					CD CR Pb Hg Ag
SS12	6/27/96 0000	5	L/M	G	6				X	X					CD CR Pb Hg Ag
SS12	6/27/96 1710	5	L/M	G	6				X	X					CD CR Pb Hg Ag
SED4	6/27/96 1520	5	L/M	G	6										TLX, brain size

Person Assuming Responsibility for Sample:					Time	Date (MM/DD/YY)
<i>James Healey</i>					1720	6/27/96
Sample Number	Relinquished By:	Time	Date	Received By:	Reason for Change of Custody	
ALL	<i>Healey</i>	1730	6/27/96	<i>Swamy S. Kelha</i>	Deliver to Lab.	
Sample Number	Relinquished By:	Time	Date	Received By:	Reason for Change of Custody	
ALL	<i>Swamy S. Kelha</i>	0500	6/28/96	<i>Swamy S. Kelha</i>	RECEIPT AT LAB	
Sample Number	Relinquished By:	Time	Date	Received By:	Reason for Change of Custody	

RFP No.:

1416

PO No.:

65625

CHAIN OF CUSTODY RECORD

The Laboratory should send verbal and written results to
the attention of Smita Sumbaly, START Analytical Coordinator

Matrix Box No. 6:

1. Surface Water
2. Ground Water
3. Leachate
4. Rinse
5. Soil/Sediment
6. Oil
7. Waste
8. Other (Specify)

Preservative Box No. 7:

1. HCl
2. HNO₃
3. Na₂SO₄
4. H₂SO₄
5. Other (Specify)
6. Ice Only
- N. Not Preserved

Name of Unit and Address:



Suite 201

1090 King Georges Post Road, Edison, New Jersey 08837-3703

Phone: 908-225-6116 Fax: 908-225-7037

Sample Number	Sample Collection MM/DD/YY/Time	Sample Matrix (Enter box 6 #)	Sample Conc. L/M/H	Sample Type C / G	Sample Preservat'n (Enter #s from box 7)	RAS ANALYSIS						RCRA ANALYSIS				OTHER *	
						VOA	BNA	PEST	PCBs	TAL	CN	IGN	COR	REAC	TPH		
S-13	06/29/96 0835	5	L/H	G	6				X	X							Cd Cr As Hg Pb
SS-13	06/29/96 0915	5	L/H	G	6				X	X							Cd Cr As Hg Pb
S-14	06/29/96 0835	5	L/H	G	6				X	X							Cd Cr As Hg Pb
SS-14	06/29/96 0855	5	L/H	G	6				X	X							Cd Cr As Hg Pb
S-15	06/29/96 0935	5	L/H	G	6				X	X							Cd Cr As Hg Pb HS/MSD
SS-15	06/29/96 1000	5	L/H	G	6				X	X							Cd Cr As Hg Pb HS/MSD
S-16	06/29/96 0850	5	L/H	G	6				X	X							Cd Cr As Hg Pb
SS-16	06/29/96 0915	5	L/H	G	6				X	X							Cd Cr As Hg Pb
S-17	06/29/96 1400	5	L/H	G	6				X	X							Cd Cr As Hg Pb
SS-17	06/29/96 1420	5	L/H	G	6				X	X							Cd Cr As Hg Pb
S-18	06/29/96 1335	5	L/H	G	6				X	X							Cd Cr As Hg Pb
SS-18	06/29/96 1415	5	L/H	G	6				X	X							Cd Cr As Hg Pb
S-19	06/29/96 1145	5	L/H	G	6				X	X							Cd Cr As Hg Pb

Person Assuming Responsibility for Sample:

Christopher Stannick

Time

1545

Date (MM/DD/YY)

6/29/96

Sample Number	Relinquished By:	Time	Date (MM/DD/YY)	Received By:	Reason for Change of Custody
All	Christopher Stannick	1005	7/1/96	Deanne G. Keller	RECEIPT AT LAB
Sample Number	Relinquished By:	Time	Date (MM/DD/YY)	Received By:	Reason for Change of Custody
Sample Number	Relinquished By:	Time	Date (MM/DD/YY)	Received By:	Reason for Change of Custody

Roy F. Weston, Inc.

FEDERAL PROGRAMS DIVISION


In Association with Resource Applications, Inc., R.E. Sarriera Associates, PRC Environmental Management,
C.C. Johnson & Malhotra, P.C., and GRB Environmental Services, Inc.

RFP No.:
14/6
PO No.:
65625

CHAIN OF CUSTODY RECORD

The Laboratory should send verbal and written results to the attention of Smita Sumbaly, START Analytical Coordinator

Matrix Box No. 6:	Preservative Box No. 7:
1. Surface Water	1. HCl
2. Ground Water	2. HN03
3. Leachate	3. Na2SO4
4. Rinsate	4. H2SO4
5. Soil/Sediment	5. Other (Specify)
6. Oil	6. Ice Only
7. Waste	N. Not Preserved
8. Other (Specify)	

Name of Unit and Address: **WESTON**  Suite 201
MANAGERS DESIGNERS/CONSULTANTS 1090 King Georges Post Road, Edison, New Jersey 08837-3703
Phone: 908-225-6116 Fax: 908-225-7037

Sample Number	Sample Collection MM/DD/YY/Time	Sample Matrix (Enter box 6 #)	Sample Conc. L/M/H	Sample Type C / G	Sample Preservat'n (Enter #s from box 7)	RAS ANALYSIS						RCRA ANALYSIS				OTHER *
						VOA	BNA	PEST	PCBs	TAL	CN	IGN	COR	REAC	TPH	
SS-19	06/29/96 1210	5	L/H	G	6				X	X						Col Cr Ag Hg Pb
S-20	06/29/96 1445	5	L/H	G	6				X	X						Col Cr Ag Hg Pb
SS-20	06/29/96 1500	5	L/H	G	6				X	X						Col Cr Ag Hg Pb
S-21	06/29/96 1035	5	L/H	G	6				X	X						Col Cr Ag Hg Pb
SS-21	06/29/96 1100	5	L/H	G	6				X	X						Col Cr Ag Hg Pb
S-22	06/29/96 1045	5	L/H	G	6				X	X						Col Cr Ag Hg Pb
SS-22	06/29/96 1140	5	L/H	G	6				X	X						Col Cr Ag Hg Pb
CDE-RIN2	06/29/96 1235	4	L	C	6.2					X						Col Cr Ag Hg Pb
CDE-RIN2	06/29/96 1240	4	L	C	6				X							TCL PCBs
S-28	06/29/96 1400	5	L/H	G	6				X	X						Col Cr Ag Hg Pb
SS-28	06/29/96 1420	5	L/H	G	6				X	X						Col Cr Ag Hg Pb

Person Assuming Responsibility for Sample: Christopher Stannik Time: 1545 Date (MM/DD/YY): 06/29/96

Sample Number	Relinquished By:	Time	Date (MM/DD/YY)	Received By:	Reason for Change of Custody
ALL	<u>Christopher Stannik</u>	1005	7/1/96	<u>Devin G. Keller</u>	RECEIPT AT LAB



Roy F. Weston, Inc.
Federal Programs Division
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SUPERFUND TECHNICAL ASSESSMENT AND RESPONSE TEAM
EPA CONTRACT 68-W5-0019

9 June 1996

Mr. Nick Magriples
U.S. Environmental Protection Agency
Removal Action Branch
2890 Woodbridge Avenue
Edison, NJ 08837

EPA CONTRACT NO: 68-W5-0019
TDD NO: 02-96-04-0003B
DOCUMENT CONTROL NO: START-02-F-00370
SUBJECT: SAMPLING TRIP REPORT - CORNELL-DUBILIER ELECTRONICS

Dear Mr. Magriples:

Enclosed please find the Sampling Trip Report for the 27/ 29 June 1996 sampling event. I am also forwarding a copy of the test pit subcontractor's (Goldstar Environmental Services') Health and Safety Plan; the HASP is currently being reviewed internally.

If you have any questions, do not hesitate to call me at (908) 225-6116.

Very truly yours,

ROY F. WESTON, INC.

Kathy Campbell
Project Manager

Enclosures

cc: TDD File

SAMPLING TRIP REPORT

SITE NAME: Cornell-Dubilier Electronics

EPA I.D. NO.: GZ

SAMPLING DATES: 27 & 29 June 1996

1. Site Location: Refer to Figure 1
2. Sample Locations: Refer to Figure 2
3. Sample Descriptions: Refer to Tables 1 and 2
4. Laboratory Receiving Samples:

<u>Sample Type</u>	<u>Name and Address of Laboratory</u>
Soil/Aqueous - TCL PCBs and Total Metals for Ag, Cr, Cd, Hg, and Pb	ICM Laboratory 1052 Route 10 Randolph, NJ
Sediment - Total Organic Carbon (TOC) and Grain Size Distribution	

5. Sample Dispatch Data:

The following samples were hand-delivered by Region II START personnel to ICM Laboratory on 28 June 1996 at approximately 1050 hours: 26 soil samples and one aqueous sample for TCL PCB and Total Metals (Ag, Cr, Cd, Hg, and Pb) analyses, and one sediment sample for TOC and grain size distribution analyses.

The following samples were hand-delivered by Region II START personnel to ICM Laboratory on 1 July 1996 at approximately 1000 hours: 22 soil samples and one aqueous sample for TCL PCB and Total Metals (Ag, Cr, Cd, Hg, and Pb) analyses.

6. On-Site Personnel:

<u>Name</u>	<u>Company</u>	<u>Duties on Site</u>
Nick Magriples	Region II EPA	On-Scene Coordinator
Christoph Stannik	Region II START	Task Manager/Documentation/Sampler
Jennifer Leahy*	Region II START	QC Coordinator/Documentation
Kevin McGarry	Region II START	Sampler
Swamy Ketha	Region II START	Sampler/Equipment Decontamination
Diane Delap	Region II START	Sampler/Equipment Decontamination
Patrick Austin	Region II START	Sampler/Equipment Decontamination

* START Leahy was not on site for second sampling date (29 June 1996).

7. Weather Conditions:

27 June - clear skies/sun, temperatures in 80°F range, winds estimated to be 10 to 15 mph.
29 June - sunny, approximately 78°F, winds 0 to 5 mph E to SE.

8. Additional Comments:

A total of 48 soil samples, including four field duplicate samples, were collected for TCL PCBs, and Total Metals for Ag, Cr, Cd, Hg, and Pb analyses. One sediment sample was collected for TOC and grain size distribution analyses. In addition, two rinsate blanks and four matrix spike/matrix spike duplicate (MS/MSD) samples were collected and delivered to the laboratory to meet QA/QC requirements for a QA-2 data quality objective level.

START collected Subsurface Soil Sample Nos. CDE-SS1 and CDE-SS2 at a depth of 3 to 6 inches below ground surface. The proposed sample depth range of 3 to 12 inches could not be achieved due to the presence of an asphalt-like layer at 6 inches below ground surface. Due to the dark appearance of the subsurface soils at Sample Location No. CDE-SS12, a Chlor-n-Soil PCB screening test (detection limit - 50 ppm) was performed on soil obtained from the auger boring. The results of the screening test indicated the presence of PCBs at approximately 50 ppm. The soil samples collected on Saturday, 29 June 1996, were monitored by START for storage cooler temperature until delivery to the laboratory on Monday, 1 July 1996. The rinsate blanks were prepared using demonstrated analyte-free deionized water. Upon direction of the OSC, four proposed storm drain sediment samples were not collected.

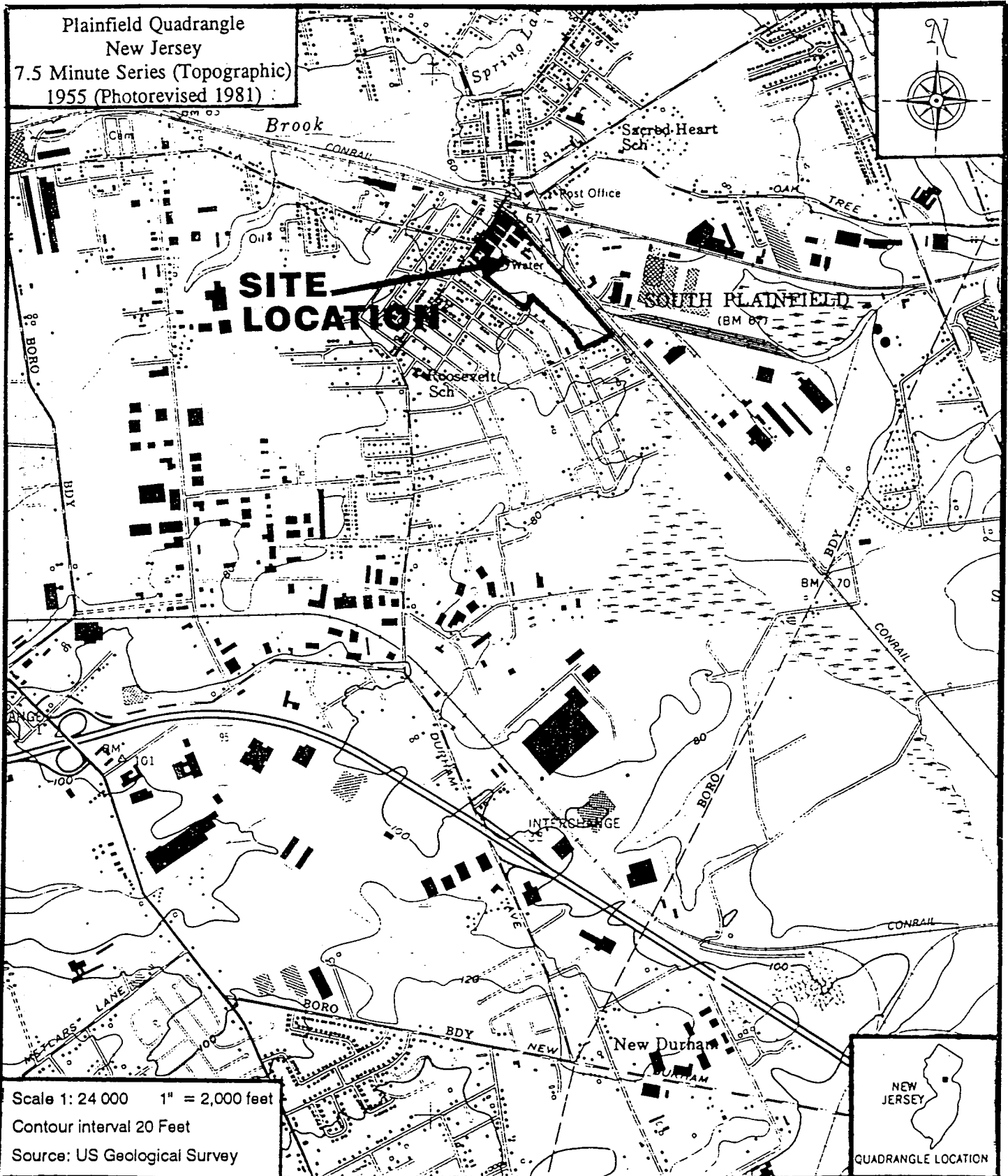
The analytical request submitted for the current phase of sampling includes both the samples collected on 27 and 29 June 1996 and the test pit excavation samples scheduled to be collected on 16 July 1996. A separate Sampling Trip Report will follow to address the test pit sampling event.

9. Report Prepared by: Kathy G. Giddell Date: 07/09/96

10. Report Reviewed by: Christoph Stannik Date: 7/9/96

11. Report Approved by: W. Scott D. Burtch Date: 7/9/96

Plainfield Quadrangle
New Jersey
7.5 Minute Series (Topographic)
1955 (Photorevised 1981)



Roy F. Weston, Inc.
FEDERAL PROGRAMS DIVISION

IN ASSOCIATION WITH RESOURCE APPLICATION, Inc.
C.C. JOHNSON & MALHOTRA, P.C., R.E. SARRIERA ASSOCIATES,
PRC ENVIRONMENTAL MANAGEMENT, AND GRB ENVIRONMENTAL SERVICES, INC.

EPA PM

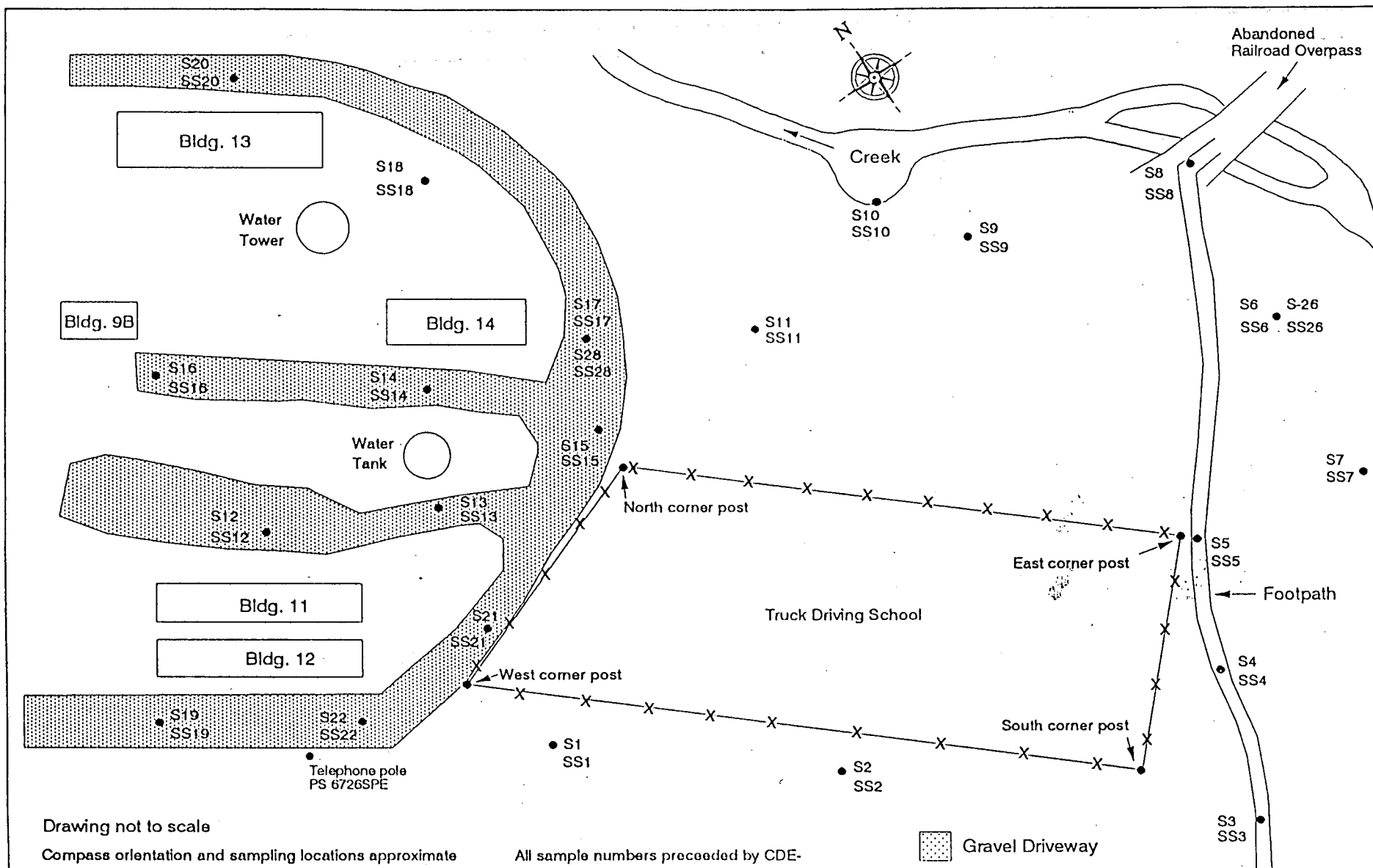
N. Magriples

Cornell-Dubilier
Electronics
S. Plainfield, NJ

START PM

K. Campbell

Figure 1:
Site Location Map



Roy F. Weston, Inc.
FEDERAL PROGRAMS DIVISION

EPA PM
N. Magriples

Cornell-Dubilier Electronics
South Plainfield, NJ

IN ASSOCIATION WITH RESOURCE APPLICATION, Inc.
C.C. JOHNSON & MALHOTRA, P.C., R.E. SARRIERA ASSOCIATES,
PRC ENVIRONMENTAL MANAGEMENT, AND GRB ENVIRONMENTAL SERVICES, INC.

START PM
K. Campbell

Figure 2: Sample Location Map

Table 1: Sample Descriptions
Cornell-Dubilier Electronics
South Plainfield, NJ
Sampling Date: 27 June 1996

Sample Number	Time	Matrix	Sample Type	Analysis	Sample Depth [inches]	Location
CDE-S1 ^a	0950	Soil	Grab	TCL PCBs, Ag, Cr, Cd, Hg, Pb	0-3	125 ft. southeast of west corner post of driving school fence, then 40 ft. southwest.
CDE-SS1 ^a	1000	Soil	Grab	TCL PCBs, Ag, Cr, Cd, Hg, Pb	3-6 ^b	Same location as Sample No. CDE-S1.
CDE-S2	1010	Soil	Grab	TCL PCBs, Ag, Cr, Cd, Hg, Pb	0-3	280 ft. southeast of west corner post of driving school fence, then 25 ft. southwest.
CDE-SS2	1020	Soil	Grab	TCL PCBs, Ag, Cr, Cd, Hg, Pb	3-6 ^b	Same location as Sample No. CDE-S2.
CDE-S3	1030	Soil	Grab	TCL PCBs, Ag, Cr, Cd, Hg, Pb	0-3	30 ft. southwest of south corner post of driving school fence, then 94 ft. southeast.
CDE-SS3	1040	Soil	Grab	TCL PCBs, Ag, Cr, Cd, Hg, Pb	3-12	Same location as Sample No. CDE-S3.
CDE-S4	1045	Soil	Grab	TCL PCBs, Ag, Cr, Cd, Hg, Pb	0-3	103 ft. northeast of south corner post of driving school fence, then 23 ft. southeast.
CDE-SS4	1055	Soil	Grab	TCL PCBs, Ag, Cr, Cd, Hg, Pb	3-12	Same location as Sample No. CDE-S4.
CDE-S5	1335	Soil	Grab	TCL PCBs, Ag, Cr, Cd, Hg, Pb	0-3	7 ft. southeast of east corner post of driving school fence.

^a MS/MSD sample - indicates additional sample volume was submitted to the laboratory for matrix spike/matrix spike duplicate (MS/MSD) analysis.

^b Asphalt-like layer at 6 inches below ground surface.

Table 1: Sample Descriptions
Cornell-Dubilier Electronics
South Plainfield, NJ
Sampling Date: 27 June 1996

Sample Number	Time	Matrix	Sample Type	Analysis	Sample Depth [inches]	Location
CDE-SS5	1340	Soil	Grab	TCL PCBs, Ag, Cr, Cd, Hg, Pb	3-12	Same location as Sample No. CDE-S5.
CDE-S6	1350	Soil	Grab	TCL PCBs, Ag, Cr, Cd, Hg, Pb	0-3	87 ft. northeast of east corner post of driving school fence, then 28 ft. southeast.
CDE-SS6	1400	Soil	Grab	TCL PCBs, Ag, Cr, Cd, Hg, Pb	3-12	Same location as Sample No. CDE-S6.
CDE-S7	1415	Soil	Grab	TCL PCBs, Ag, Cr, Cd, Hg, Pb	0-3	35 ft. northeast from east corner post of driving school fence, then 137 ft. southeast.
CDE-SS7	1425	Soil	Grab	TCL PCBs, Ag, Cr, Cd, Hg, Pb	3-12	Same location as Sample No. CDE-S7.
CDE-S8	1525	Soil	Grab	TCL PCBs, Ag, Cr, Cd, Hg, Pb	0-3	138 ft. northeast from east corner post of driving school fence, then 25 ft. southeast; 3 ft. from inactive rail line in middle of footpath and 8 ft., 7 inches from old gate post at the RR overpass.
CDE-SS8	1530	Soil	Grab	TCL PCBs, Ag, Cr, Cd, Hg, Pb	3-12	Same location as Sample No. CDE-S8.
CDE-S9	1535	Soil	Grab	TCL PCBs, Ag, Cr, Cd, Hg, Pb	0-3	139 ft. northeast from east corner post of driving school fence, then 154 ft. northwest.
CDE-SS9	1540	Soil	Grab	TCL PCBs, Ag, Cr, Cd, Hg, Pb	3-12	Same location as Sample No. CDE-S9.
CDE-S10	1545	Soil	Grab	TCL PCBs, Ag, Cr, Cd, Hg, Pb	0-3	202 ft. northwest, along fence line, from east corner post of driving school fence, then 193 ft. northeast.

Table 1: Sample Descriptions
Cornell-Dubilier Electronics
South Plainfield, NJ
Sampling Date: 27 June 1996

Sample Number	Time	Matrix	Sample Type	Analysis	Sample Depth [inches]	Location
CDE-SS10	1550	Soil	Grab	TCL PCBs, Ag, Cr, Cd, Hg, Pb	3-12	Same location as Sample NO. CDE-S10.
CDE-S11	1600	Soil	Grab	TCL PCBs, Ag, Cr, Cd, Hg, Pb	0-3	234.6 ft. northwest, along fence line, from east corner post of driving school fence, then 91.4 ft. northeast.
CDE-SS11	1610	Soil	Grab	TCL PCBs, Ag, Cr, Cd, Hg, Pb	3-12	Same location as Sample No. CDE-S11.
CDE-S12	1700	Soil	Grab	TCL PCBs, Ag, Cr, Cd, Hg, Pb	0-3	83 ft. northwest and 50 ft., 6 inches east from east corner of Building No. 11 in the gravel driveway.
CDE-SS12	1710	Soil	Grab	TCL PCBs, Ag, Cr, Cd, Hg, Pb	3-15 ^e	Same location as Sample No. CDE-S12.
CDE-S26 ^d	1350	Soil	Grab	TCL PCBs, Ag, Cr, Cd, Hg, Pb	0-3	Same location as Sample No. CDE-S6.
CDE-SS26 ^d	1400	Soil	Grab	TCL PCBs, Ag, Cr, Cd, Hg, Pb	3-12	Same location as Sample No. CDE-SS6.
CDE-RIN1	1145	Aqueous	Composite	TCL PCBs, Ag, Cr, Cd, Hg, Pb	N/A	Composite trowel, bowl, and auger rinsate collected in the field.
CDE-SED4	1520	Sediment	Grab	TOC; grain size distribution	0-2	7 ft. from south side of drainage pipe which carries creek water flow under the abandoned railroad overpass.

^e Gravel driveway soil sample - depth measured and reported from bottom of gravel layer.

^d Duplicate sample - indicates that the sample was collected as an environmental field duplicate.

Table 2: Sample Descriptions
Cornell-Dubilier Electronics
South Plainfield, NJ
Sampling Date: 29 June 1996

Sample Number	Time	Matrix	Sample Type	Analysis	Sample Depth [inches]	Location
CDE-S13	0835	Soil	Grab	TCL PCBs, Ag, Cr, Cd, Hg, Pb	0-3	66 ft. northeast from the northeast corner of Building No. 11, then 50 ft. to southeast; on driveway south of water tank.
CDE-SS13	0915	Soil	Grab	TCL PCBs, Ag, Cr, Cd, Hg, Pb	3-11 ^a	Similar location as Sample No. CDE-S13, except 2 ft. closer to water tank at edge of driveway.
CDE-S14	0835	Soil	Grab	TCL PCBs, Ag, Cr, Cd, Hg, Pb	0-2	35 ft. southwest of southwest corner of Building No. 14, then 46 ft. east; northeast of water tank.
CDE-SS14	0855	Soil	Grab	TCL PCBs, Ag, Cr, Cd, Hg, Pb	3-15 ^a	Same location as Sample Location No. CDE-S14.
CDE-S15 ^b	0935	Soil	Grab	TCL PCBs, Ag, Cr, Cd, Hg, Pb	0-3	21 ft., 4 in. northeast from north corner post of truck driving school (measured along wooden fence that extends northeast of post), then 13 ft., 6 in. northwest onto gravel driveway.
CDE-SS15 ^b	1000	Soil	Grab	TCL PCBs, Ag, Cr, Cd, Hg, Pb	3-15 ^a	Same location as Sample No. CDE-S15.
CDE-S16	0855	Soil	Grab	TCL PCBs, Ag, Cr, Cd, Hg, Pb	0-3	19 ft. southeast of southwest corner of Building No. 9B, then 14 ft., 6 in. southwest onto gravel driveway.
CDE-SS16	0915	Soil	Grab	TCL PCBs, Ag, Cr, Cd, Hg, Pb	6-15 ^a	Same location as Sample No. CDE-S16.

^a Gravel driveway soil sample - depth measured and reported from bottom of gravel layer.

^b MS/MSD sample - indicates additional sample volume was submitted to the laboratory for matrix spike/matrix spike duplicate (MS/MSD) analysis.

Table 2: Sample Descriptions
Cornell-Dubilier Electronics
South Plainfield, NJ
Sampling Date: 29 June 1996

Sample Number	Time	Matrix	Sample Type	Analysis	Sample Depth [Inches]	Location
CDE-S17	1400	Soil	Grab	TCL PCBs, Ag, Cr, Cd, Hg, Pb	0-3	52 ft. southeast of southwest corner of Building No. 14 (parallel to west side of building), then 6 ft. northeast.
CDE-SS17	1420	Soil	Grab	TCL PCBs, Ag, Cr, Cd, Hg, Pb	4-16*	Same location as Sample No. CDE-S17.
CDE-S18	1355	Soil	Grab	TCL PCBs, Ag, Cr, Cd, Hg, Pb	0-3	81 ft. southeast of the southwest corner of Building No. 13 (parallel to southwest side of building), then 10 ft. southwest.
CDE-SS18	1415	Soil	Grab	TCL PCBs, Ag, Cr, Cd, Hg, Pb	3-13*	Same location as Sample No. CDE-S18.
CDE-S19	1145	Soil	Grab	TCL PCBs, Ag, Cr, Cd, Hg, Pb	0-3	66 ft. northwest of Utility Pole No. PS6726SPE and 49 ft from southeast corner of concrete loading dock at northwest end of Building No. 12.
CDE-SS19	1210	Soil	Grab	TCL PCBs, Ag, Cr, Cd, Hg, Pb	3-13*	Same location as Sample No. CDE-S19.
CDE-S20	1445	Soil	Grab	TCL PCBs, Ag, Cr, Cd, Hg, Pb	0-3	19 ft. northeast of northeast corner of Building No. 13 onto gravel driveway, then 41 feet northwest.
CDE-SS20	1500	Soil	Grab	TCL PCBs, Ag, Cr, Cd, Hg, Pb	4-16*	Same location as Sample No. CDE-S20.
CDE-S21	1035	Soil	Grab	TCL PCBs, Ag, Cr, Cd, Hg, Pb	0-3	68 ft. northeast of west corner post of driving school fence, then 25 ft. north onto gravel driveway.

* Gravel driveway soil sample - depth measured and reported from bottom of gravel layer.

Table 2: Sample Descriptions
Cornell-Dubilier Electronics
South Plainfield, NJ
Sampling Date: 29 June 1996

Sample Number	Time	Matrix	Sample Type	Analysis	Sample Depth [inches]	Location
CDE-SS21	1100	Soil	Grab	TCL PCBs, Ag, Cr, Cd, Hg, Pb	6-14 ^a	Same location as CDE-S21.
CDE-S22	1045	Soil	Grab	TCL PCBs, Ag, Cr, Cd, Hg, Pb	0-3	39 ft. southwest of the southeast corner of Building No. 12; gravel driveway.
CDE-SS22	1140	Soil	Grab	TCL PCBs, Ag, Cr, Cd, Hg, Pb	14-18 ^a	Same location as Sample No. CDE-S22; collected within the gravel layer.
CDE-S28 ^o	1400	Soil	Grab	TCL PCBs, Ag, Cr, Cd, Hg, Pb	0-3	Same location as Sample No. CDE-S17.
CDE-SS28 ^o	1420	Soil	Grab	TCL PCBs, Ag, Cr, Cd, Hg, Pb	4-16 ^a	Same location as Sample No. CDE-SS17.
CDE-RIN 2	1235	Aqueous	Composite	TCL PCBs, Ag, Cr, Cd, Hg, Pb	N/A	Composite trowel, bowl, and auger rinseate collected in the field.

^a Gravel driveway soil sample - depth measured and reported from bottom of gravel layer.

^o Duplicate sample - indicates that the sample was collected as an environmental field duplicate.